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USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE
CHITA SANITATION-EPIDEMIOLOGICAL LABORATORY, USSR"Effectiveness of Water Chlorination at Low
Temperatures," E. D. Petrukhin, N. T. Tayurskaya,
Sanitation Epidemiological Lab, Chita

"Gigiyena i Sanitariya," Vol 10, No 9, 1945, pp 52-2

Chlorination was carried out at 18, 20, 1, and 2° with equally good results. Contact between active Cl and water did not have to be lengthened at temperatures close to 0°, and the disinfecting power of CaOCl₂ remained the same within the range 1-20°. Usual dose of chlorinated lime, sufficient to give 0.2-0.4 mg residual Cl per liter was applied to drinking water contaminated with E. coli (200,000 per cc). Concordant results were obtained after different intervals of time, namely: at 1-2° the bacterial count dropped to 19, 8, 12, and 3 bacteria per cc after 0.5, 1, 3, and 6 hours, respectively. Slight rise after 3 hours was probably due to reduced residual Cl concentration.

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